Recording

To Record With VCR

1 **Press [⏻] button to power on.**

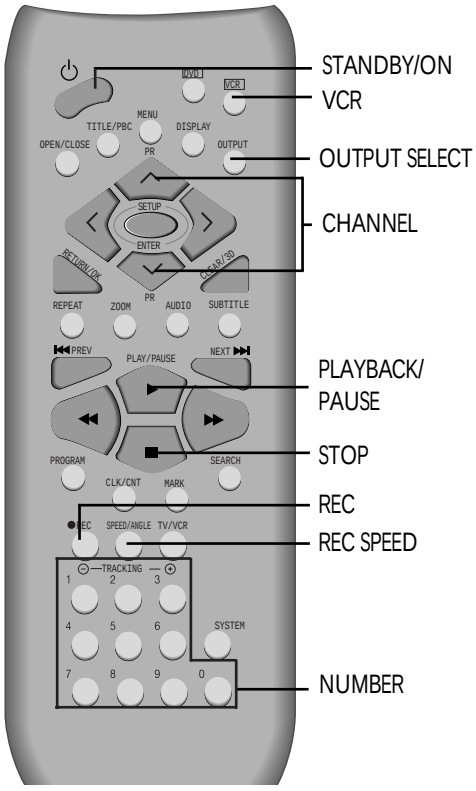
- Press [VCR] button of the remote control to change into VCR mode.
- Power on TV and select Ch 52 or reset channel, or press [TV/VCR] button to select External Input mode.

2 **Insert a recordable tape.**

Always insert a tape with recording tab.

3 **With [CHANNEL], [NUMBER] and [OUTPUT] buttons, select the desired broadcasting channel or external input unit to record.**

4 **Select the desired speed (SP or LP) with [SPEED] button.**



5 **Press [REC] button.**

Then, it starts recording.

6 **If you want to pause recording, press [PAUSE] button.**

After pressing [PAUSE] button, if the pause status continues for five minutes, the recording is released automatically.

7 **To exit recording, press [STOP] button.**

To Enjoy Another TV Channel or DVD

1

If you want to watch another TV channel during recording with video, press [TV/VCR] button.

This will allow the viewing of other TV Programmes, whilst recording.

2

If you want to playback DVD during recording with video, insert a DVD disc.

Place the desired DVD disc on DVD tray, press [DVD] button to convert OUTPUT SELECT into DVD and press [PLAYBACK] button. Then, you can watch DVD.

To Copy From DVD To Videotape

1

Insert the desired DVD disc.

When it is a DVD disc with copy protect function, you can't copy it.

Insert a recordable tape.

2

Press [QUICK COPY] button on the front panel.

DVD plays and VCR starts recording.

3

To exit copy, press [VCR] button and then [■] button.

If not, DVD plays again and video continues to copy.

To copy just with buttons of the remote control, after playing DVD, press [VCR] button and then [REC] button.

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One Touch timer Recording (OTR)

When your urgent business happens suddenly in watching TV or you want to record the current TV program for the desired time, follow the procedures below.

1

First, follow the steps 1 to 4 in "Recording With VCR". (See page 30)

2

Press [REC] button as much as you want.

Press the button once for every 30 minutes of program you wish to record. Up to ten hours are possible.

3

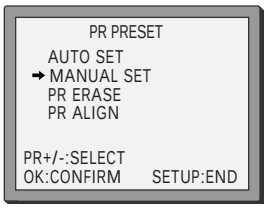
To cancel Simple Recording mode, press [STOP] button more than 5 seconds.

Tuning in New Stations

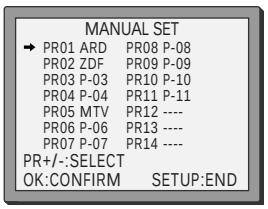
- The TV and player are switched on.
- To see the picture from your player, press the station button on the TV reserved for player input or the AV (Audio / Video) button.
- "AV1/2" should not be selected with the AV button on the player.

Tuning

1 To complete the set-up of your video recorder when the auto set has not stored all of the channels or when you wish to store a new channel.
Call the video's "MAIN SETUP", choose "PR PRESET".



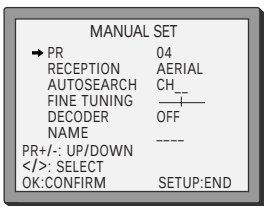
2 Select "MANUAL SET".



3 Choose any unused location number "----" or "P-xx" ...

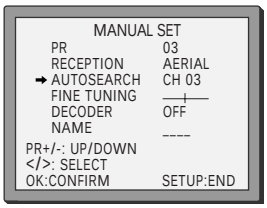
It's simplest to use the same location number on both the TV and video.

... and confirm.



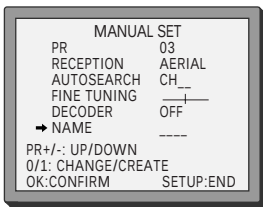
4 Set the station you want:

- the programme location number;
- the broadcast system you want (Aerial(CH) or Cable(CC)),
- You can directly enter the real channel number with the [0 to 9] buttons, or search by pressing **[< / >]**,
- The fine tuning you can adjust,
- When the program is encoded (and you have a decoder connected to socket EURO AV2), press the **[< or >]** to select ON or OFF.
- Change or create the station name.



5 Once you see the station you want, store it.

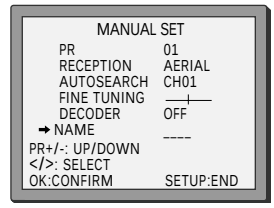
Tune in further stations (from step 3 onwards) or exit tuning mode.



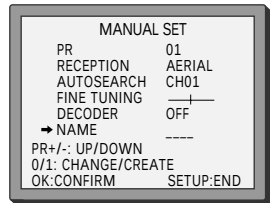
Station names

■ If your player is showing no station name or is showing a station name incorrectly, you can correct this. Select "> : NAME CORRECT" on the "MANUAL SET" menu.

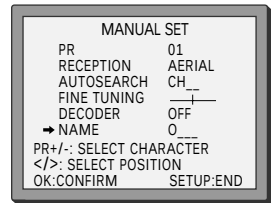
1 Call this menu (just see the left page), if it isn't displayed.



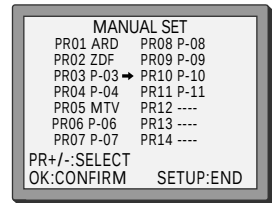
2 Select NAME position.
Press the [0] button to change the given name.
Or press the [1] button to create the station name.



3 Either select the name from the stored list or you create the station name and enter a 4-digit name. Change the letters with the [PR +/–] buttons, move to the next letter with the [< / >] buttons.



4 Store and exit.



CHECK UP!

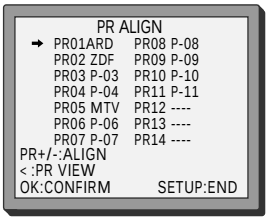
- Should you wish to tune in all the channels available in your region, please refer to page 23-24.
- Should you wish to sort or clear stations, please refer to page 35.

Sorting programme locations

If the location numbers used for programmes stored in your TV and player are different, you can change them on the player.
To do this, move the stations to the right numbers, until they are arranged the way you want.

1 Call the player's "MAIN SETUP", choose "PR PRESET" then "PR ALIGN".

2 Select the programme to swap.
Confirm by pressing OK button.
Move the station to the desired location number.
Confirm by pressing OK button.



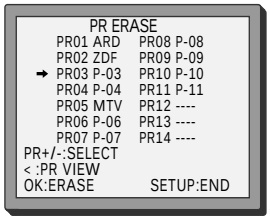
Clearing programme locations

1 Call the player's "MAIN SETUP", choose "PR PRESET" then "PR ERASE".

2 Select the station (location number) you want to clear.

Review the picture by pressing [>] button.

Clear by pressing OK button.



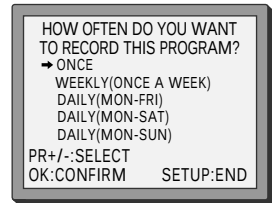
Recording Cassettes

- For timer recordings, clock, date, and stations must be set correctly.
- Load a cassette with its safety tab in place and with sufficient free space for the recording.

Normal timer recording

1

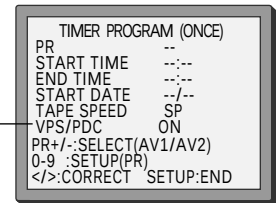
Call the player's "MAIN SETUP", choose "TIMER PROGRAM".
Decide if you want to record "ONCE", "WEEKLY" or "DAILY"...
... and confirm.



2

Type in one after the other:

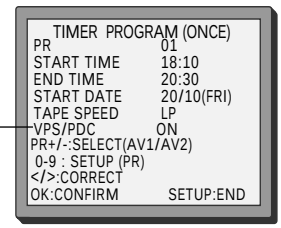
- The programme location number;
- the time the broadcast starts,
- the time the broadcast ends,
- the day of the broadcast, if it is not today.
- Select LP if you wish to make a very long recording .



* **Though the "VPS/PDC ON" is displayed on the screen, this function is not available for this set.**

3

If you wish to make changes:
Move to the position you want to change using the [< / >] buttons. Change the setting using the [PR+/-] or [number] buttons.
If all setting are ok, press [< or >], till you see "OK : CONFIRM" in the bottom line.
Confirm.



* **Though the "VPS/PDC ON" is displayed on the screen, this function is not available for this set.**

Switch your player off.

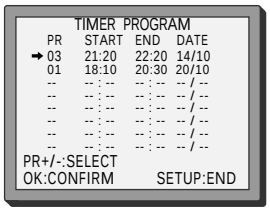
CHECK UP!

- Wait a few seconds after typing a one-digit-number.
- If you have made a mistake, move to the position you want to change using the [< / >] buttons and change the setting.
- If programme timings overlap, the machine will give a warning message. If you don't adjust the times, the machine will record the first programme completely then continue with the second one.
- If there is no sufficient free space for the recording on the cassette the video switches automatically to "LP" for double recording capacity.
- The recorder will eject cassettes which have the safety tab removed.

Timer Review – changing and erasing

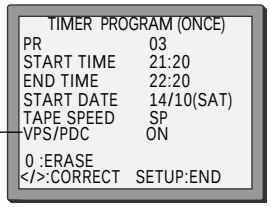
1

Call the player's "MAIN SETUP",
choose "TIMER PROGRAM".



2

Select the programming to change or erase.
If you want to erase this programming press button [0], confirm with OK.
If you wish to make changes:
Move to the position you want to change using the [< , >] buttons.
Change the settings using the [PR +/–] or [number] buttons.
If all settings are ok, press [< or >], until you see "OK: CONFIRM" in the bottom line.
Confirm changes with [OK]. Exit the menus.



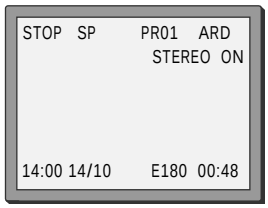
* **Though the "VPS/PDC ON" is displayed on the screen, this function is not available for this set.**

More Functions

- The counter counts in real time from the point you load the cassette. This does not have to be its beginning! The counter does not count unrecorded parts of the tape.
- If you rewind beyond the zero position, the counter counts in negative values (e.g. – 0:01:15).

Clock / counter display

Each time you press [DISPLAY] button,
1x: Time and date+current status → Time and date
2x: Counter+current status → counter
3x: disappear.



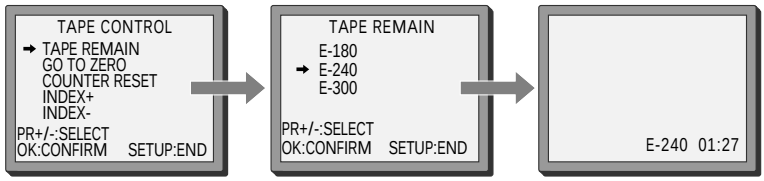
But if you press [CLK/CNT] button, clock and counter on display window will change each other.

CHECK UP!

- If didn't wind tape (PLAY, FF, REW,...), it doesn't appear the tape remain time.

Remaining time and cassette length

Call the player's "MAIN SETUP", choose "TAPE CONTROL".



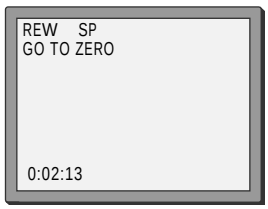
When you want the player to show the time remaining from the current player tape position (to find out if there is sufficient space for a recording, for example).
To ensure the remaining time shown is accurate, select the length of cassette currently loaded by selecting this function until you reach the correct length.

CHECK UP!

- Remaining time display is only possible when the cassette is loaded.

Accessing counter zero position

The player will wind to the position 0:00:00 and stop.



Resetting the counter to zero

Reset the counter.

AUTO REPEAT

If you press the [PLAY] button for 5secs during stop or still mode, it goes Auto repeat mode. This player plays repeatedly the tape from the beginning to end parts.

To release this mode, press the [⏻] button or mode operation button. (PLAY, FF, REW or STOP)

SETUP languages

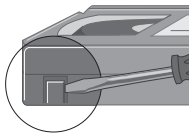
Call the player's "MAIN SETUP", choose "VCR SETUP", then "LANGUAGE SET".

Select your language.
Confirm.

Child lock

Press the [⏻] button for about 5 seconds.
No buttons of front panel can be operated now and LOCK INDICATOR ("LOCK") will be displayed on window display. Keep your remote control in a safe place.
To release child lock, press any button of the remote control.

Cassettes



Use only good quality tape cassettes with the VHS logo.

- Keep cassettes away from excessive moisture or dust, magnetic and electrical fields (loud speakers and computer monitors, for example).
- Always wind the tape to the beginning when you have finished. Store with the full spool at the bottom and with the cassette in its cover.

You can protect your precious recordings from being wiped by breaking out the safety tab on the side of the cassette (some cassettes have a slide).
Should you wish to re-use the tape after removing the tab, cover the hole with adhesive tape.

and ...

Dimmer
Your player dims its display when switched to stand-by mode.
Auto power off
Your player switches to stand-by when no tape is played and no station is received for more than 5 minutes.

- The player machine records the complete sound signal transmitted by the TV station.
- On the mono VCR, you will hear the normal mono sound.

The Hi-Fi system(SD-6200D)

In addition to the normal mono sound track of VHS video recorders, your player machine is equipped with a high-quality Hi-Fi sound system.

This means you can enjoy

- films with excellent stereo sound
- films of full-length concerts in high quality stereo
- films with impressive Surround Sound using additional Surround equipment
- films with two dialogue modes (dual, bilingual), usually the original sound track and dubbed sound track
- VHS cassettes with Hi-Fi stereo sound and VHS cassette with normal sound

What you can listen to (SD-6200D)

During Stop, the player displays what the current station is broadcasting. When you switch to another station or the current station changes the sound mode, your player displays the programme and sound mode on screen (if not, press AUDIO).

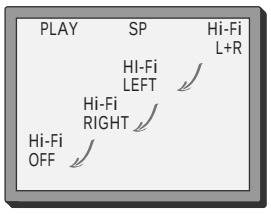
- "STEREO" = stereo
  "BIL I / BIL II "=bilingual
  nothing= monaural sound

During Playback, the player displays what is recorded on the cassette (if not, press AUDIO).

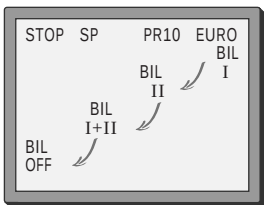
- "Hi-Fi" = stereo/bilingual
  nothing = monaural sound

Choice of sound output (SD-6200D)

During a stereo performance (playback-"Hi-Fi" / broadcast - "STEREO"):
Hi-Fi stereo → left audio channel only → right channel only → the normal mono sound track of a Hi-Fi cassette



- During broadcasting a bilingual performance : Main language (original sound track) → sub-language (dubbed) → both main language and sub-language → OFF.
- For mono performances , there is no choice available.



Connections and Copying

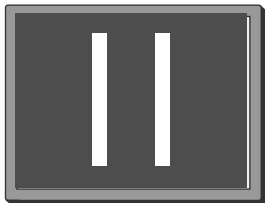
- If you are using a SCART cable, select the AV input on the TV to see the picture from the player.
- If you are not using a SCART cable, select the button number on the TV reserved for video input to see the picture from the player.

To the TV via antenna cable (if you are not using a SCART cable)

If you are not using a SCART cable, your player can transmit pictures and sound to the TV via the coax aerial cable. Just tune the TV to the player's transmitting channel (factory set to UHF CH 52). Tune the TV carefully to ensure the best pictures and sound.

1

Once you have carried out the steps in "Connecting up the player" , switch on your TV.
Press the [OK] button of the player's remote control longer than 5 seconds to call the player´s test picture.
Tune the TV to the test picture using the channel pre-set functions of your TV as described in its manual.
When you have found the test picture, store it under the button number on your TV for player input.
Press the [OK] button of the player's remote control again longer than 5 seconds to release the test picture.



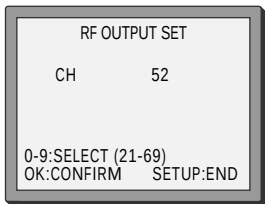
2

- If the quality of the test picture transmitted to the TV is poor due to interference caused by a station transmitting on channel 52, you can tune the player to a different transmitting channel. Find a free channel between 21 and 69 on your TV.

Call the player's "MAIN SETUP" choose "VCR SETUP" then "RF OUTPUT SET".

Type in the free channel.

Store and exit.

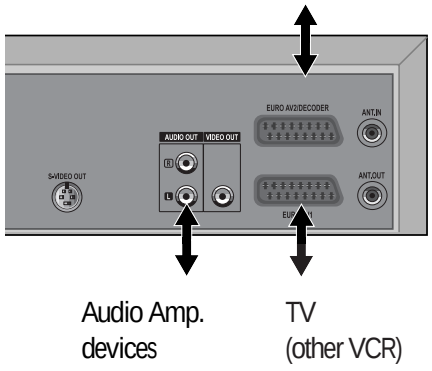


CHECK UP!

- If the quality of the test picture transmitted to the TV is poor, fine-tuning on the TV may help (refer to the TV manual).
- Without a scart cable, you will not get stereo sound from a TV capable of stereo sound.

■ Switch off all components when connecting or disconnecting cables.

Copying



To copy to your player from another video machine, connect the two machines with a cable between their EURO AV (SCART) sockets and select as programme "AV 1/AV 2" or "F. AV" (front sockets) using the [AV], [PR+/-] or [⏻] button.
Set the other video machine to playback and your machine to record.

- To connect a mono audio source, use the front Audio In socket marked L.

To copy to another video machine from your player, connect the two machines by means of their EURO AV (SCART) sockets.
On the other video, select its AV input and set the machine to record.
Switch your player to play back at the position you want copying to start.

Assembling

Should you wish to assemble your own film, from camcorder footage for example, use the assembly technique for smooth edit points:

- Move the tape to the position at which the new scene is to be added using the play functions.

VCR

- Wind back slightly before the edit point and put the machine into pause using the [PAUSE] button (do not press STOP!).

- Now go directly into record.

For the best results, the source cassette from which you are recording should already be playing back when you start recording.

Skipping from a current scene to a desired scene

To skip scenes in a DVD

DVD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1

To move to next scene, press [NEXT ⏭] button.

The current scene moves to the next scene.

2

Press [⏮ PREV] button.

The current scene moves to the first scene.
If pressing it again, it moves to the prior scene.

To play it fast

DVD

VCD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1

Press [▶▶] button to start fast-play in playing.

Every time you press the button, play speed changes like the below orders
▶▶ x 2 → ▶▶ x 4 → ▶▶ x 8 → ▶▶ x 20 → ▶▶ x 2 ....

Also you can return to normal speed by pressing [▶] button.

2

Press [◀◀] button to start reverse fast-play in playing.

Every time you press the button, reverse play speed changes like the below orders
◀◀ x 2 → ◀◀ x 4 → ◀◀ x 8 → ◀◀ x 20 → ◀◀ x 2 ....

Also you can return to normal speed by pressing [▶] button.

To play it slow

DVD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1

Press [▶▶] button to play it slow in PAUSE.

Every time you press the button, slow play speed changes like the below orders.

▮▶ 1/2 → ▮▶ 1/4 → ▮▶ 1/8 → ▮▶ 1/2 → ....

Also you can return to normal speed by pressing [▶] button.

*For the case of SVCD or VCD, Slow playback is available.

2

Press [◀◀] button to reverse-play it slow in PAUSE.

Every time you press the button, slow reverse-play speed changes like the below orders.

◀▮1/2 → ◀▮1/4 → ◀▮1/8 → ◀▮1/2 → ....

Also you can return to normal speed by pressing [▶] button.

Playing a programmed order

DVD

VCD

CD

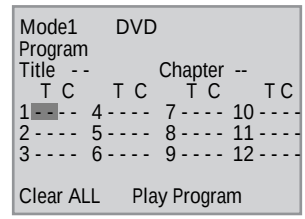
- Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.
- Available only in STOP.

1

While STOP or Resume STOP, press [REPEAT] button.

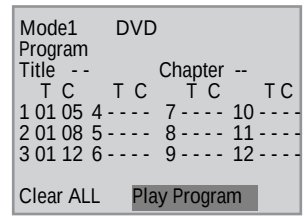
While the right figure appearing, please input desired Title(T) and Chapter(C) number with NUMBER buttons.

* In case of VCD and CD, please input TRACK Number.



2

If completing setting, press [SETUP/ENTER] button after moving a cursor to “Play Program”. Then, titles and chapters (track) are played in the above-programmed order.



RANDOM PLAY

DVD

VCD

CD

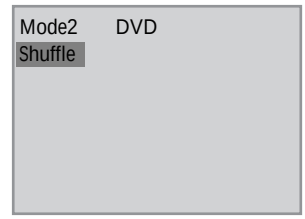
- Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1

While STOP or Resume STOP, press [REPEAT] button twice.

While the right picture appearing, please press [SETUP/ENTER] button

Regardless of titles or track numbers, it plays in random.



* To release the playback mode, press [■] button.

Repeating a defined period (DVD)

You may repeat a desired chapter or track.

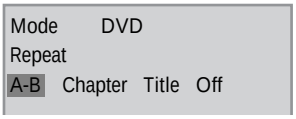
DVD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1

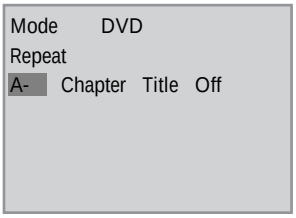
While in playing, press [REPEAT] button.

In REPEAT mode, you may see the right figure.



Press [SETUP/ENTER] button in the position to repeat.

The beginning of REPEAT position (A) is set in the right figure.



Press [SETUP/ENTER] button again in the position to quit a repeat

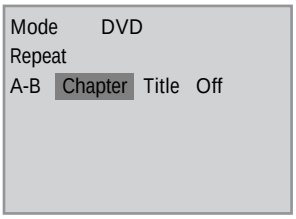
The end of REPEAT period (B) is set and played repeatedly.

* If you want to stop REPEAT and return to normal condition, please press [SETUP/ENTER] button in "A-B" or "Off" in the below step 4. Then press [SETUP/ENTER] button.

2

Press [REPEAT] button again

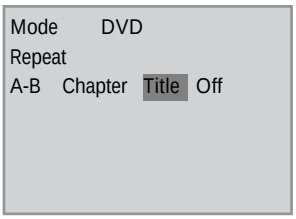
Move a cursor to "Chapter" with [>] button, then if the right figure appears, press [SETUP/ENTER] button.
Then, the current chapter is repeated.



3

Press [REPEAT] button one more time.

Move a cursor to "Title" with [>] button, then if the right figure appears, press [SETUP/ENTER] button.
Then, the current title is repeated.

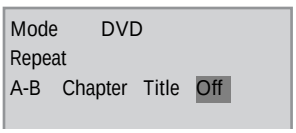


A certain disc may not be repeated.

4

Press [REPEAT] button one more time.

Move a cursor to "Off" with [>] button, then if the right figure appears, press [SETUP/ENTER] button.
REPEAT mode is off.



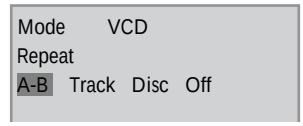
Repeating a defined period (VCD, CD)

VCD

CD

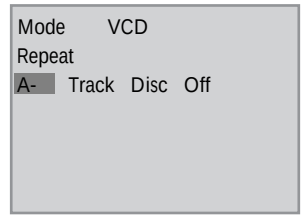
1 **While in playing, press [REPEAT] button.**

In REPEAT mode, you may see the right figure.



Press [SETUP/ENTER] button in the position to repeat.

The beginning of REPEAT position (A) is set in the right figure.



Press [SETUP/ENTER] button again in the position to quit a repeat

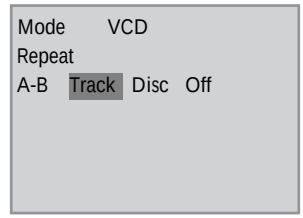
The end of REPEAT period (B) is set and played repeatedly.

* If you want to stop REPEAT and return to normal condition, please press [SETUP/ENTER] button in "A-B" or "Off" in the below step 4. Then press [SETUP/ENTER] button.

2 **Press [REPEAT] button again**

Move a cursor to "Track" with [>] button, then if the right figure appears, press [SETUP/ENTER] button.

Then, the current track is repeated.

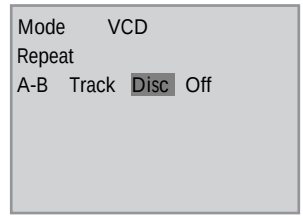


3 **Press [REPEAT] button one more time.**

Move a cursor to "Disc" with [>] button, then if the right figure appears, press [SETUP/ENTER] button.

Then, the current disc is repeated.

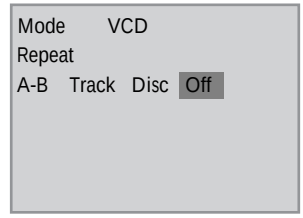
* Repeat playback of disc is only available in PBC OFF mode.



4 **Press [REPEAT] button one more time.**

Move a cursor to "Off" with [>] button, then if the right figure appears, press [SETUP/ENTER] button.

REPEAT mode is off.



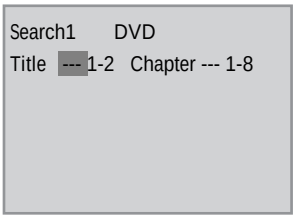
SEARCH DVD (with a Title and Chapter number)

DVD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

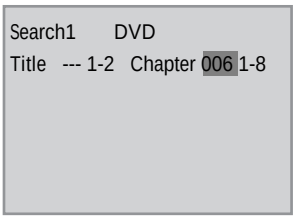
1 **While in playing, press [SEARCH] button.**

"Search 1" screen like the right figure appears.
It shows total title numbers and chapter numbers.
Please enter anew title and chapter number to search with [NUMBER] buttons.



2 **In completing entering, please press [SETUP/ENTER] button.**

PLAY starts from the selected position.



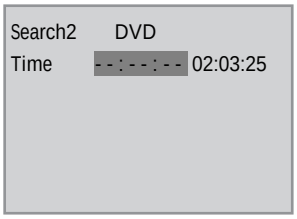
SEARCH DVD (with time)

DVD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

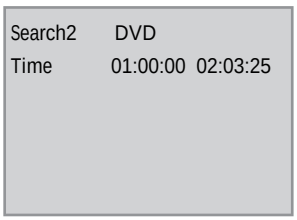
1 **While in playing, press [SEARCH] button twice.**

"Search 2" screen like the right figure appears.
It shows total hours.
Please enter anew hours to search with [NUMBER] buttons.



2 **In completing entering, please press [SETUP/ENTER] button.**

PLAY starts from the selected position.



SEARCH VCD and CD (with a track number)

VCD

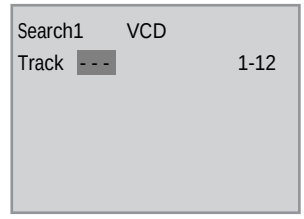
CD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1

While in playing, press [SEARCH] button.

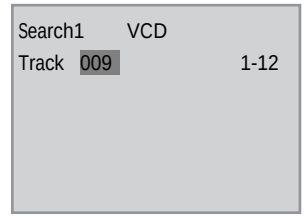
"Search 1" screen like the right figure appears.
(In case of PBC OFF)
Total track numbers appear.
Please enter anew track numbers to search with [NUMBER] button.
* If it is PBC ON, "Search 1" screen does not appear.



2

In completing entering, please press [SETUP/ENTER].

PLAY starts from the selected position.



SEARCH VCD and CD (with time)

VCD

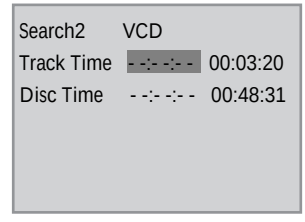
CD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1

While in playing, press [SEARCH] button twice.

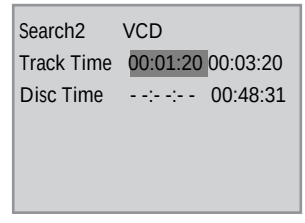
"Search 2" screen like the right figure appears.
(In case of PBC OFF)
It shows current track's time and the whole disc's hours.
Please enter anew hours to search with [NUMBER] button.
* If it is PBC ON, only the track's time appears.



2

In completing entering, please press [SETUP/ENTER] button.

PLAY starts from the selected position.



Confirming the current PLAY mode on screen

confirming the current disc mode

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

DVD

1 **While in playing, press [DISPLAY] button.**

It shows a disc type, the current title, chapter number, time elapsed and REPEAT mode.

VCD

CD

2 **While in playing, press [DISPLAY] button.**

It shows a disc type, the current track, time elapsed and REPEAT mode.

Selecting an AUDIO language, SUBTITLE language and 3D AUDIO

Selecting an audio language

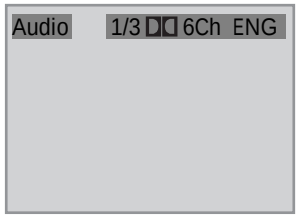
A user may select an audio language and subtitle language if a disc includes Multi-language.

DVD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

Keep pressing [AUDIO] button till a user's preferred language appears.

If DVD disc includes audio information, every time a user presses [AUDIO] button, English (ENG), French (FRE), Japanese (JAP), Korean (KOR) and others appear one by one.



Selecting a subtitle language

DVD

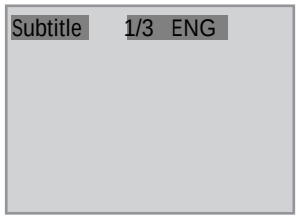
■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

A certain disc may not support audio select or subtitle select.

Keep pressing [SUBTITLE] button till a user's preferred language appears.

If a DVD disc includes subtitle information, every time a user presses [SUBTITLE] button, English (ENG), French (FRE), Japanese (JAP), Korean (KOR) and others appear one by one.

If a user presses [OFF] button, subtitle does not appear on screen.



Selecting 3D Audio

DVD

VCD

CD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

■ Available in PLAY mode only.

Please press [CLEAR/3D] button.

If pressing the button twice, a user can select a 3D audio.

** In setting data, "CLEAR/3D" means clear.

In case of MP3, it is not operated.

Selecting ZOOM and Multi Angle

Using a zoom function

A user can enlarge the current screen by 1.3, 1.5 or 2.0 times.

DVD

VCD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

Keep pressing [ZOOM] button till the preferred zoom appears.

Every time a user presses [ZOOM] button, a zoom magnification changes 1.3 times (X1.3) → 1.5 times (X1.5) → 2.0 times (X2.0) → Off → 1.3 times (X1.3) → ... one by one.

A base point to be enlarged is center and the point can be changed with the operation of [< > ∧ ∨] button.

When "TV ASPECT" item is set to "4:3 PS" in setup screen, or with certain discs, 2 times Zoom may not function properly.

Different Angle

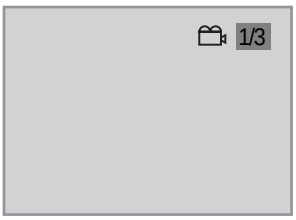
If a disc includes multi angle information, a user can watch a screen in multi angles. The function is limited to a DVD disc supporting multi angle information.

DVD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

Keep pressing [ANGLE] button till the preferred angle appears.

Every time a user presses [ANGLE] button, an angle degrees changes in a consecutive order.



Memorizing a scene

Once memorizing a scene, a user may watch it anytime.

To memorize a scene

DVD

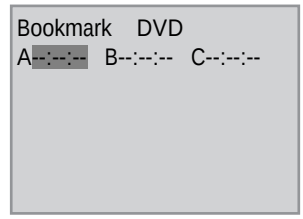
VCD

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

"BOOKMARK" function during the disc playback of SVCD or VCD2.0 is only available in "PBC OFF" mode. Select "PBC OFF" mode by pressing [TITLE/PBC] button.

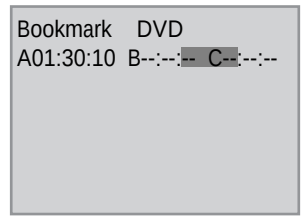
1 **While playing, press [MARK] button.**

The right figure appears.
Then press [SETUP/ENTER] button and the current scene is memorized in "A".



2 **If you want to memorize another preferred scene, press [>] button.**

The right figure appears.
Then press [SETUP/ENTER] button and the current scene is memorized in "B".
** A user may memorize "C" continuously with the same method.



Playing a memorized scene

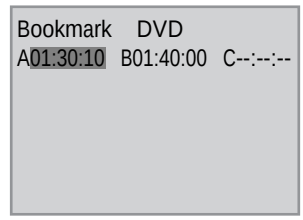
DVD

VCD

"BOOKMARK" function during the disc playback of SVCD or VCD2.0 is only available in "PBC OFF" mode. Select "PBC OFF" mode by pressing [TITLE/PBC] button.

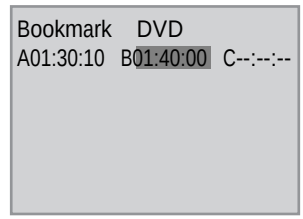
1 **Press [MARK] button.**

Memorized bookmark appears on screen.



2 **Move it to preferred bookmark by pressing [>] button.**

▬ moves to the bookmark position.
In the moment, press [SETUP/ENTER] button to play it.



Displaying menus in a disc

If a disc includes menus, a user may use them.

To display menus in a disc

DVD

VCD2.0

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1

DVD) Press [MENU] or [TITLE/PBC] button.

It shows menus in the disc. Also they are different according to discs.
If the disc has title menu, it is operated with [TITLE/PBC] button.

VCD 2.0) Press [TITLE/PBC] button.

Every time pressing [TITLE/PBC] button, PBC function turns ON and OFF over and over.
Menu screen only appears when selecting “PBC ON”.

- CD and VCD1.1 do not support the function.

2

DVD) Move a cursor to a relative item with arrow buttons of [< > ∧ ∨] button and select one with [SETUP/ENTER] button or [PLAY] button.

VCD 2.0) Select a number of menu screen and press [SETUP/ENTER] button.

* If you watch a movie without menu screen, select “PBC OFF” mode by pressing [TITLE/PBC] button.

Basic SETUP Mode

While STOP or Resume STOP, press [SETUP/ENTER] button to set menus.

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1

While a disc is stopped, press [SETUP/ENTER] button.

- A screen to set various menus like the right figure appears.
- By using [<] and [>] , a set menu changes from Language, which is covered with " ", to Video, Audio and Others.
- Press [^] and [v] for the movement among menus and press [<] and [>] for the select of a menu.

2

In completing settings, press [RETURN/OK] button or [SETUP/ENTER] button.

LANGUAGE Setup

A user can set a language of menus in a disc, audio and subtitle.

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1 **While DISC STOP or Resume STOP, press [SETUP/ENTER] button.**

2 **Selecting a language on screen.**

Please select a language to be displayed on DVD screen.

3 **Selecting an audio language.**

Set it as the preferred audio language. In case the audio language is set and recorded in the DISC, it is automatically played in the set language in every playing. For example, English is set and recorded as audio language in the DISC, it is played in English.

4 **Selecting a subtitle language.**

Please set it as the preferred language. In case the subtitle language is set and recorded in the DISC, it is automatically played in the set language in every playing. For example, English is set and recorded as subtitle language in the DISC, it is played in English.

5 **Selecting a DISC MENU language.**

Please set it as the preferred DISC MENU language. In case the DISC MENU language is set and recorded in the DISC, it is automatically played in the set language in every playing. For example, English is set and recorded as a DISC MENU language in the DISC, it is played in English.

In case a disc does not include setting languages information, the selected language does not appear.

VIDEO Setup

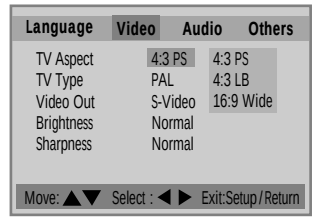
A user can set up a connected TV condition and screen.

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1 **While DISC STOP or Resume STOP, press [SETUP/ENTER] button.**

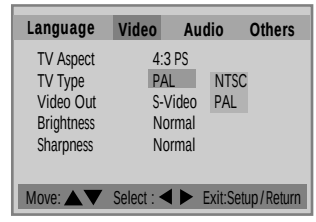
2 **Selecting TV Aspect.**

If a user selects “4:3 PS”, the user can watch only a center of the original scene of “16:9”.
If a user selects “4:3 LB”, the user can watch the original scene of “16:9”, but the top and bottom of the screen look black color.
If a disc size is originally recorded in 4:3, a user cannot watch it in a wide screen though a user sets a size as “16:9 Wide”.



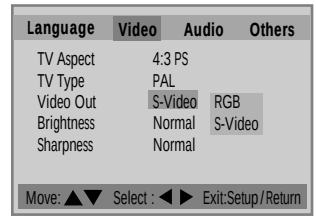
3 **Selecting a TV type.**

A user may select a TV type.
A user may select a type among NTSC or PAL.



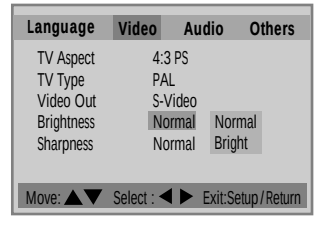
4 **Selecting a VIDEO OUTPUT.**

A user may select a VIDEO OUTPUT between RGB and S-Video.



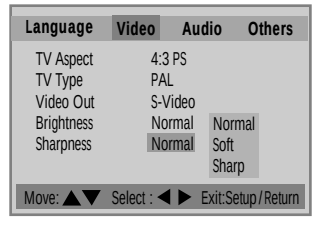
5 **Selecting a bright degree.**

A user may select a bright degree of a screen.
There are two choices of Normal and Bright.



6 **Selecting a vivid degree.**

A user may select a vivid degree of a screen.
There are three of choices, Normal, Soft and Sharp.



AUDIO Setup

A user may select audio menu according to a user's speaker set.

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

1

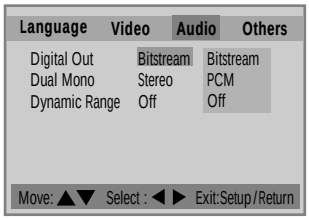
While DISC STOP or Resume STOP, press [SETUP/ENTER] button.

2

Select a digital output.

Set output conditions to coaxial or optical terminal. You can set following three(3) values of digital output;

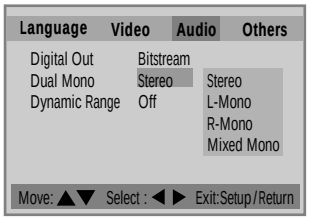
- **Bitstream**: The same signal as audio signal recorded in disc goes to digital audio output terminal.
- **PCM**: Decoded audio signal goes to digital output terminal.
- **Off**: Not any output goes to digital audio output terminal.



3

Select Dual Mono.

Dual Mono means 2 individual mono channels. Dual Mono is mainly used to apply 2 different languages to one program. This function is similar to multichannel sound function supported in TV or VCR. 2 mono channels can be combined into total 4 values; Stereo, L- Mono, R- Mono and Mixed Mono.



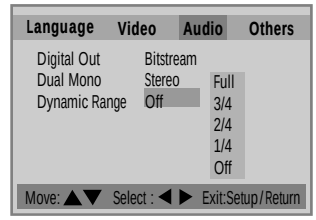
- **Stereo:** outputs left channel and right channel to left speaker and right speaker respectively.
- **L- Mono:** outputs left channel to left speaker and right speaker.
- **R-Mono:** outputs right channel to left speaker and right speaker.
- **Mixed Mono:** mixes 2 mono channels and outputs the mixed channel to left and right speaker at the same time.

4

Select a Dynamic Range.

Dynamic range can differs by users and their watching environment. High-density audio programs like movies have wide dynamic range. In the dynamic range, explosion sounds 20dB higher and rustle of leaves sounds 50dB less than conversation. Sometimes, depending on watching environment, loud sound should be heard louder while soft sound should be heard softer. Likewise, very soft sound is not audible and viewers should raise the sound level.

Set "Off" to view a program in the dynamic range as recorded in disc. If you hear loud sound softer and soft sound louder, set a suitable value below "Full".

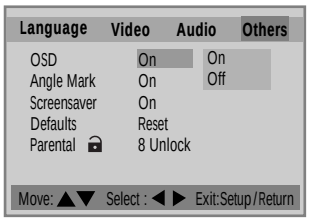


Other Setup

■ Before setting it, you should change status into DVD by pressing [DVD] button on the remote control.

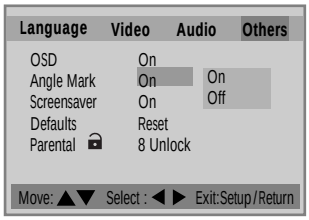
1 **While DISC STOP or Resume STOP, press [SETUP/ENTER] button.**

2 **Select character display window.**



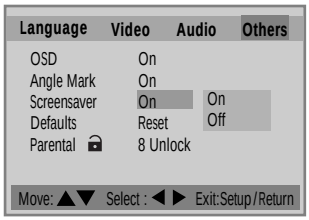
3 **Select angle mark.**

Different angle screens up to 9 screens can be saved in DVD. You can set with this menu whether angle mark ( )is displayed in the screen during playing the multiple- angle-recorded disc. Select "On", the angle mark ( ) is displayed in the screen if multiple angles are recorded in the currently played disc.



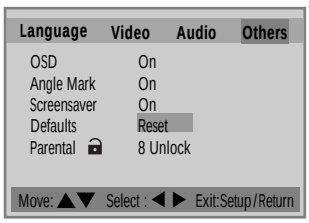
4 **Select screen saver.**

If bright scenes continue to be displayed in screen, TV can be damaged. Set the screensaver to "ON", the screensaver functions automatically and DVD logo moves continuously if the resume stop, stop or open status for about 5 minutes.



5 **Select defaults.**

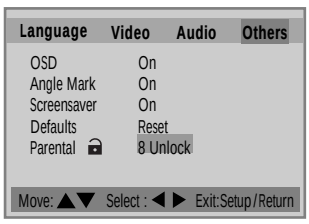
If you select defaults, every function set returns to FACTORY defaults except PARENTAL.



"Parental Lock" activates only if you set a password and the unit goes into Lock status. When the disc has no parental function even if the disc for adult only, Parental Lock doesn't activate.

6 **Select PARENTAL.**

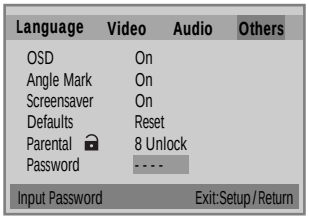
It consists of 8 levels of violence, sexual scene, strong sexual scene and others to protect children from watching those scenes.



Settling a user's PARENTAL

1 Entering a password.

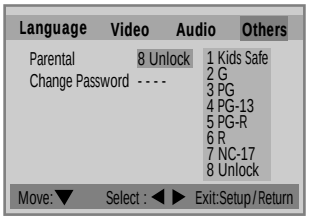
If selecting "PARENTAL" by moving [>], a password display appears.
Then entering a user's password, a user can resettle a user's PARENTAL.



The initial password is 3308. In case you forget newly-input password, you can use 3308 as a password.

2 Resettling a user's PARENTAL.

Set your desired level in PARENTAL display.
As the number is higher, it means the film gets close to an adult film.
It, however, operates only when a DVD disc includes PARENTAL information.
For example, if a user settles the 6th level, 7th or 8th level disc cannot be played.
For the change of a user's password, please move to "CHANGE PASSWORD" and enter new password.



About DVD

Playable Disc

• DVD, Video CD(Version 1.1, 2.0), S-VCD and Audio CD

Disc type	Playable	Restriction
DVD	Possible	Region number 2 or Region number All
Video CD	Possible	Version 1.0/1.1/2.0, SVCD/CVD
CD	Possible	PCM or dts
CD-G	Possible	Only Audio playback
CD-ROM	Possible	MP3 File, 200 Files in maximum
CD-R	Possible	Video-CD/CD/CD-ROM (MP3 File)
CD-RW	Possible	Video-CD/CD/CD-ROM (MP3 File)
DVD-R	Possible	DVD Video
DVD-ROM	Impossible	
DVD-RAM	Impossible	
DVD+RW	Impossible	
Photo CD	Impossible	

REGION MANAGEMENT INFORMATION

This unit is designed and manufactured to respond to the Region Management information that is recorded on a DVD disc. The region number of this player is “2”. If the region number described on the DVD discs does not correspond to the Region number of this player, the player will not play this disc. This player will play DVD discs made for “ALL” regions. Therefore, this player will play DVD discs marked with labels containing the region number “2” or “ALL”.

(Region 2)

(Region ALL)

Terms related with DVD

DVD A DVD (abbreviation of Digital Versatile Disc or Digital Video Disc) can include 135 minutes of video information. And for audio, it can hold up to 8 kinds of languages and 32 kinds of subtitle languages. By using MPEG-2 video compression and digital 3D surround sound, DVD realizes high-defined screen and quality sound like a movie theater.

CDDA A CDDA (abbreviation of Compact disc digital audio) is a music disc that is currently used.

MP3 Audio compression format that enables audio files to be stored and transferred on a computer with a relatively small file size. It enables you to enjoy CD quality music. (Short for MPEG-1 Layer 3)

PBC This is recorded on a Video CD 2.0, Video CD 3.0, SVCD and CVD. The scenes or information to be viewed (or listened to) can be selected interactively with the TV monitor by looking at the menu shown on the TV monitor. It stands for PlayBack Control.

CHAPTER It means the information recorded in a DVD. A title in a DVD is divided into many tracks, of which a track is called as a chapter. A certain scene of a screen can be quickly searched with the chapter number.

TITLE It means the information recorded in a DVD. A DVD can be divided into may titles.

TRACK It means the information recorded in a video CD and audio CD. A disc consists of many a track, for which a user can search a certain position.

dts Digital Theatre System is a 5.1 -channel surround sound system, which is widely used in movie theatres around the world. It enables the bit rate to be increased to provide good sound quality.

Multi Angle Some DVD discs contain the various scenes that have been simultaneously shot from a number of different angles.

PCM Linear PCM is a signal-recording format used in a CD, while CD is recorded in 44.1kHz/16bit, a DVD is recorded in 48KHz/16bit up to 96KHz/24bit.

Dolby Digital Dolby Digital is a system maximized surround sound from the reform of the existing 4 channel Pro-Logic. Basically the system consists of 5 channels of a center speaker, L & R speakers and L & R rear speakers. Dolby Digital adds a sub-speaker to the above system in order to reinforce sub-woofer.

Bitstream A series of data streams not decoded by Dolby Digital decoders or dts decoders. To use bitstream, you require an amplifier with a built in Dolby Digital or dts decoder.

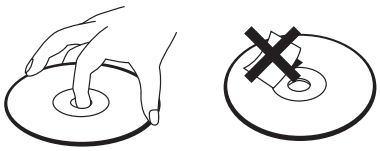
Lt/Rt It indicates L/R of Dolby Digital 2CH Downmix output.

Downmix DOWNMIX is reproducing the proper audio when audio format recorded on a disc differs from the output audio channel configuration. For example, with just one stereo speaker system you can hear full 5.1 channel audio.

S-VIDEO The S-VIDEO output separates the color (C) and luminance (Y) signals before transmitting them to the TV set in order to achieve a sharper picture. So this must be selected from the menu to enable the S-VIDEO output to function.

Handling Disc

- To keep a disc clean condition, please do not touch a side containing play information.
- Do not attach a bit of paper or sticky tape on it.
- Do not expose a disc to a direct sunlight or electric heating systems.
- After using it, please keep a disc in a case.



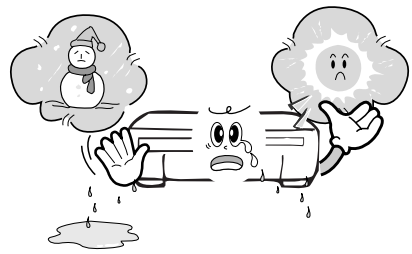
Cleaning Disc

- Before using it, please rub it from center toward outside with a clean cloth.
- Do not use any type of solvent such as thinner, benzol (benzene), commercial cleaning goods or antistatic sprays.

Basic information about VCR and Videotape

What is dew condensation symptom?

- If a player is moved from a cool place to a warm and damp place or a place facing a direct cool wind from air-conditioner...and others, temperature varies sharply, which makes dew on head drums of player.

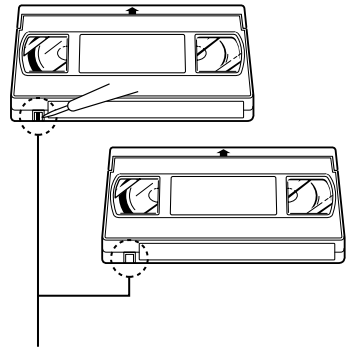


If dew condensation occurs,

1 First, turn it on for one or two hours before using it.
2 Do not use it because it may develop troubles of a player or videotape.

What is a record tab of a videotape?

- The tab on a videotape enables a user to record and prevents the recorded area from rerecording.
- To record it, a user should use a videotape with a tab.
- If a user input a videotape without a tab to record, the videotape is ejected automatically.
- In order to avoid a recorded area to be rerecorded, a tab should be removed.
- To rerecord a recorded videotape, please scotch-tape on the removed tab position.



safety tab

Noise

- Noise means poor screen conditions of player such as interruption or trembles in the top of bottom of a screen.
- If a noise occurs, please adjust a screen by operating “TRACKING” buttons .
- Adjustment may not improve quality screen if the tape is originally recorded mixed with some noise or kept in poor conditions.
- If some noise remains after adjusting it, VCR heads may be contaminated or worn.
- In case VCR heads are contaminated, please insert a headCleaning tape (refer to its instructions!).

Auto-detect the contamination of VCR heads

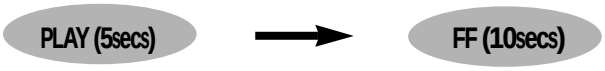
- If the product, which has a auto-detector, detects a contaminated head(s), it shows the conditions to notice the contamination on screen.
  * In case of the notice on screen, please rub the heads with a head-cleaner followed by “How to use a head-cleaner”.

How to use a head cleaner

- In case of a old or contaminated videotape, screen may not be clean from the contamination of player heads. Please remove contaminants using a head-cleaner like below order.

1 Insert a head-cleaner into player

2 Press “PLAY” for 5 seconds, and then press “FF” for about 10 seconds.



3 Eject a head-cleaner from player
  - If the screen is not clean yet, please repeat the above 2 or 3 times more.
  - A head-cleaner is not for sale. Please ask it for the nearest agent.
  - In case a user ask the removal of contaminants of us, the user should pay extra charges.

Before doubting about troubles (DVD)

Symptom	Checks
• **The recorder does not play.**	➤ If a DVD is from overseas, it may not be played. Please check a DVD's region code whether it has the relative region code 2 or All. ➤ Please check whether a DVD is inserted in a right direction. ➤ If it is a CD-ROM for PC or DVD-ROM, it does not work.
• **No sound comes through.**	➤ Play mode may be "SLOW" or "PAUSE"(In abnormal speed play, no sound comes through) ➤ Did you connect the parts in right way? ➤ Please check the operative condition of TV or amplifier. ➤ From "DEFAULT" SET, please check "AUDIO" items.
• **A disc is playing but screen does not appear or poor screen appears.**	➤ Did you turn on your TV sets? ➤ Did you connect the parts in right way? ➤ The play may be in "PAUSE". ➤ A disc may have some contaminants or be damaged. ➤ A disc may be bad one.
• **Sound is irregular**	➤ Please check the connection with Dolby Digital amplifier. ➤ Please check the plugs are connected with one another tightly. ➤ Some contaminants may be remained in connection terminal.
• **remote control does not work.**	➤ Please check the degree of the remote control, distance or any interruption. ➤ Battery may be weak or exhausted. ➤ When you operate DVD, use it by pressing [DVD] button.
• **Dolby Digital 5.1 CH sound does not work**	➤ Dolby Digital 5.1 CH sound can be worked in the Dolby Digital amplifier only. ➤ Please check "Dolby Digital 5.1 CH" mark on your DVD. ➤ In case of playing it through digital output, while pressing "STOP", please check whether "DIGITAL OUTPUT" is "BITSTREAM" by pressing "SETUP". ➤ Please check the connection is correct.
• **"AUDIO" or "SUBTITLE" button does not work.**	➤ If a DVD does not include language information, it does not support the function.

Symptom	Checks
• **"ANGLE" button does not work while a DVD is playing.**	➤ "ANGLE" is supported only in a DVD contains multi angle scenes. Also a user can confirm the support with the "ANGLE" mark on screen.
• **"MENU" does not appear while a DVD is playing.**	➤ Please check the degree of the remote control, distance or any interruption. ➤ Please check a battery in the remote control whether it is exhausted or not. ➤ A DVD may not contain menu information.
• **Screen shakes or appears only in black and white.**	➤ The recorder may not coincide with your TV system. Please press "SYSTEM" to match to TV system. ➤ A disc may have some contaminants or be damaged. ➤ If you playback a DVD disc of NTSC system whose region code is "ALL", the playback screen may shake.
• **The file name of MP3 (CD-R) appears with strange letters.**	➤ The file name of MP3 recognize only the Alphabet (A~Z, a~z), numbers (0~9) and a special symbol on keyboard (~, !, @, #, $ ....) and 10 letters can be displayed in maximum. ➤ The letters except above case will be displayed like "----".
• **Any MP3 (CD-R) file isn't displayed.**	➤ The number of MP3 file which can be displayed and playback is 200 in maximum. ➤ If the surface of disk is injured, the file display and playback can be impossible.

Before doubting about troubles (VCR)

Symptom	Checks
■ Power	
• **"Power On" does not work.**	➤ Please check whether a power plug is inserted in an electric outlet.
• **It does not work even in "Power On".**	➤ Please check whether a videotape is inserted in. ➤ Try to insert a plug again.
■ Input and ejection	
• **A videotape is not inputted in.**	➤ Please check whether a power plug is inserted in an electric outlet. ➤ Please check whether a videotape is in. ➤ Please check whether a videotape is inserted in a right direction (a side of transparent window should be on the upside) ➤ Have you inputted a videotape again just after the tape was ejected? Please try it again after fully ejecting it. ➤ When a videotape forces to be ejected, the tape may not be inputted. In the case, please pull out an outlet, and then push the tape smoothly.
• **On inputting a videotape, the tape is re-ejected.**	➤ That's why a safe mode to protect a videotape is operated automatically. Please pull out the tape and input it again.
• **A videotape is not ejected.**	➤ In case the product is used for a long time, a videotape may not be ejected for a film inside may be stretched. In the case, please pull out a power plug for about 10mins and then press "EJECT" button.
■ Screen and noise	
• **A channel on video and a play screen does not appear.**	➤ Please check your antenna's connection. ➤ TV channel should be fixed on video channel. ➤ Please check your antenna's signal whether it may be weak. In case of its weakness, please use a frequency amplifier connected with the device. ➤ Press "TV/VCR" and then let "VCR" is displayed on the display panel.
• **Noise (screen noise) appears on screen.**	➤ While in no use of VCR, was it turned on? ➤ While in recording a program, do you watch another channel? ➤ Select TV by pressing [TV/VCR] button on the remote control.

Symptom	Checks
• **Noise appears on screen after recording.**	➤ While in playing a videotape, there may happen some noise or blot in the part of the beginning of a videotape or resuming "PAUSE", which are not breakdown.
• **While in playing, noise appears.**	➤ Please press "TRACKING" for better screen. Videotape may be poor. Try to change it to another one.
• **Sound and screen are irregular.** • **Sound comes out but screen does not appear.** • **Screen is irregular and stripes appears.**	➤ Please use a head-cleaner to clean VCR heads. VCR heads may be contaminated.
• **While recording and playing, the top of screen extremely waves.**	➤ Since VCR Play signals are not stable like a TV signals, screen may be unstable or curved while in playing. To fix the problem, please horizontal adjustment.

■ Play

• **A screen is not clear.**	➤ In case videotape is the one recorded by other products or old one, stripe may appear on the screen. ➤ Try to adjust the screen by [TRACKING+/-] button ➤ Try to use a head-cleaner.
• **A screen at pause is trembling or slow screen is not clear.**	➤ Try to use a head-cleaner. ➤ Try to adjust the screen by [TRACKING+/-] button.

■ Recording

• **Recording a TV program is impossible.**	➤ For recording, you should use videotape with a tab. ➤ Please check whether a channel is fixed on video. If not, you have to turn it into "TV" by pressing "OUTPUT" button. ➤ Please check whether the timer recording info is right. ➤ Are coaxial cables inputted antenna connection terminal correctly? ➤ Does a CH number selected in display section appear? ➤ Please check a tab on a tape whether it is broken or not. (If it was broken, please scotch-tape it)

Symptom	Checks
• **Recording a TV program is impossible.**	➤ Check whether a tape attached with a recording tap is inserted. ➤ Check whether the screen is displayed in VCR Only Channel. Press [OUTPUT] button in this remote controller to adjust in "General Broadcast" condition. ➤ Is the rounded line (coaxial cable) connected in "ANT.IN" terminal? ➤ Is the selected channel number shown in Display? ➤ Is a tab of cassette tape broken? (Please cover a tab hole with cellophane adhesive tape (Scotch tape).)
• **Once pressing "REC", a videotape is ejected automatically.**	➤ Please check whether the clock is right. ➤ Does the display on your video show " ⊥ " (Ready to timer recording)? Please make it out. ➤ Please check whether the timer recording info is right. ➤ Please check a tab on a tape whether it is broke or not. (If it was broken, please scotch-tape it)
• **Timer recording of Cable TV does not work.**	➤ Was a cable data output code connected correctly? ➤ Were a converter manufacturer setup and output channel right? ➤ Did you enter a password? (Please cancel it.) ➤ Did you turn off your player? (Please turn it on.)
• **In spite of pressing "CHANNEL", a channel can not be set.**	➤ You may not memorize channels. ➤ Please check your channel setting or press a number button.
• **While duplicating, screen is not clean and distorted.**	➤ Some tapes or discs distributed in the market for lending is set to prevent copy in manufacturing. These tapes cannot be duplicated in a good condition.

■ remote control

• **The remote control does not work.**	➤ Battery may be weak or exhausted. ➤ A receiver of the remote control may be different with a sender.
• **Buttons on the remote control do not work.**	➤ In case a videotape is positioned in the beginning, "VISS REW" and "REW" do not work. ➤ In case a videotape is positioned in the end, "FF", "VISS FF", "PLAY" and "REC" do not work. ➤ Please check whether another button is pressed.

Symptom	Checks

■ Others

• **VISS index search does not work.**	➤ Are you playing a tape that is not recorded in this recorder? (Try to record it with the recorder.) ➤ You may start recording it in "REC-PAUSE". Please start recording it from stop condition.
• **Cable broadcasting can not be selected.**	➤ Please select "CABLE" not "NETWORK" from the "CHANNEL SETTING".

Specifications

Power		100-240V~, 50/60Hz
Consumed electricity		Hi-Fi : 27W, Mono : 26W
Weight		5.7kg
Dimension (W x H x D)		430mmx91mmx355.5mm
Operative temperature		+5°C~40°C
Installation condition		Horizontal / Relative humidity under 80%
Signal type		PAL COLOR
Antenna Input/output		U/V-mixed: 75Ω unbalanced
VIDEO input		1.0Vp-p (unbalanced, RCA JACK)
AUDIO input		-8.8dBm, RCA JACK
VIDEO output (common use of DVD and VCR)		VIDEO output terminal, 1.0 Vp-p unbalanced, RCA JACK, SCART JACK
VIDEO output (DVD only)		S-VIDEO output (75Ω In load Y: 1.0Vp-p, C:0.286Vp-p) RGB output (75Ω In load R: 0.7Vp-p, G:0.7Vp-p, B:0.7Vp-p)
AUDIO output (common use of DVD and VCR)		Audio output terminal (2 kinds): -8.8dBm(VCR), 2Vrms(DVD), RCA JACK
AUDIO output (DVD only)		Analogue AUDIO output : 2.0Vrms Digital audio output (OPTICAL, COAXIAL)
Playable tape		Very high dense tapes with VHS marks
Playable disc		DVD, VIDEO-CD, CD (12mm), CD (8mm), MP3, CD-R, CD-RW
Tape speed		SP: 23.39mm/s, LP: 11.70mm/s
Playtime		SP: 2hrs, LP: 6hrs (use of E180tape)
Clock display		24 hrs
Time Recording		8 programs a year
Persistence in power failure		1min
VIDEO S/N (VCR)		Over 43dB(Standard recording)
Resolution	VCR	Over 240 lines (Standard recording)
	DVD	Over 500 lines (Playback DVD)
AUDIO (VCR)		Over 65dB(Hi-Fi), Over 40dB(Mono)
AUDIO (DVD)		90dB
AUDIO dynamic range		90dB

DVD Audio output standards

Output	Disc type		
	DVD	VIDEO-CD	CD
Analogue Audio output	48/96KHz sampling	44.1KHz sampling	44.1KHz sampling
Digital Audio output	48KHz sampling	44.1KHz sampling	44.1KHz sampling
Optical digital audio output	48KHz sampling	44.1KHz sampling	44.1KHz sampling

Region Code

The product and all DVD disc have region codes. So if both codes are not coincided each other, it does not work. Legion codes are like the below.